

# THE BIOMASS ENERGY NETWORK REDBIOCOL

## WORKING FOR SUSTAINABLES TERRITORIES IN COLOMBIA

The [Colombian Biomass Energy Network RedBioCol](#) works to promote the energy use of organic waste in the country's territories, contributing to its energy sovereignty and sustainable development.



In particular, RedBioCol aims to involve different actors (Communities, NGOs, Academy, State Entities) working on biomass energy, to lead local and regional programs on efficient waste use applying biodigestion, gasification and composting technologies, and on efficient use of processes' effluents (bioles, soil conditioners).

RedBioCol is inspired by the experience of the [Network of Biodigesters for Latin America and Caribbean RedBioLAC](#) and actively participates in all its international meetings.

Created in 2012 with the support of the [Fundación UTA](#), the [Fundación CIPAV](#), [Terrazonet](#), the [Wisions](#) and [Green Empowerment](#), cooperation organizations, Redbiocol currently operates by articulating [the interventions of 55 partners](#): communities and grassroots groups, associations and NGOs, urban and neighborhoods groups, corporations, universities and research centers, medium and small companies adopting principles and objectives of the Network.

RedBioCol represents an example of an organization implemented at national level aimed at disseminating knowledge and facilitating the use of a high impact technology by farmers and rural communities. At the same time, biodigesters contribute to the management of waste, to produce environmentally friendly energy and natural fertilizers, to fight against climate change mitigating greenhouse gases and reducing the use of synthetic fertilizers.

Thanks to alliances with its partners, RedBioCol carries out the following activities throughout the country:

- Design and installation of biodigestion systems at small, medium and large scale, using designs and materials to provide different solutions taking into account economic, environmental and social variables.
- Efficient use of biogas by direct combustion or use in engines for electric power generation.
- Realization of community programs for efficient use of biodigester effluent and the different by-products generated in the processes of energy generation through biomass.



- Monitoring of biodigestion systems for research and technology development purposes.
- Organization of theoretical and practical workshops on biodigesters and other aspects related to biomass energy and organization of *field days* requested by local actors interested in knowing more about the use of biomass energy.

Through its activities in the territories, the Network aims at the implementation of *Integrated Agroecological Systems*, capable of having an impact on the communities from a social, economic and environmental point of view.

In the [News and Newsletters presented in the RedBioCol website](#) interesting information about the work done by the Network in different local projects is available.

In order to contribute to knowledge dissemination on applied technologies and their current and future impact in the different regions of Colombia, the Network organizes the 3rd *RedBioCol National Meeting* from the 8th to 10th of November 2019 in the city of Pasto (Nariño Department).

To prepare the national event, the Network has planned an agenda of local meetings to share and analyze the [interests of each region on the subject](#), taking into account its specific resources, productive activities and needs. The event will also be used by RedBioCol to encourage broad participation of the young people from the territories in promoting the use of organic residues for energy generation.

#### To know more

[RedBioCol website](#)

[RedBioCol portfolio](#)

[1er Boletín informativo](#)

[2º Boletín Informativo](#)

[Info-biodigestores.blogspot.net-como construir un biodigestor](http://Info-biodigestores.blogspot.net-como-construir-un-biodigestor)

[RedBioCol presentations at the 2018 RedBioLAC Meeting](#)

[XI International Meeting RedBioLAC 2019](#)

